

IN THE CLAIMS

1. (currently amended) A three-dimensional image-capturing apparatus comprising:
a single solid-state image-sensing device having a plurality of image capturing regions, each image capture region simultaneously captures a different image on the single solid-state image-sensing device; and

44' a plurality of optical systems for forming different images of a subject in the image-capturing regions, each one of the optical systems corresponding to a different one of the image-capturing regions, the optical systems including a plurality of reflection means for reflecting rays from said subject a number of times, and at least a lens provided to be closer to said single solid-state image-sensing device than the closest reflection means to said subject among the reflection means;

a light-shielding means provided at least between the single solid-state image-sensing device and the reflection means so as to separate the optical systems for forming the different images of said object in the respective image-capturing regions; and

light-limiting means provided to be closer to said subject than the reflection means for the (2n-1)-th reflection (where n represents a positive integer) from said single solid-state image-sensing device along the optical systems, wherein the light-limiting means prevent incidence of flux of ambient light other than rays forming each image of said subject;

wherein the reflection means and the lenses of the optical systems are used to form, in the corresponding image-capturing regions, separate and different images of said subject which are captured from different viewpoints having a distance therebetween.

2. (currently amended) A three-dimensional image-capturing apparatus comprising:
a single solid-state image-sensing device;

a plurality of imaging-side reflection means having reflectors provided to be obliquely outward, each one of the imaging-side reflection means corresponding to one of a plurality of different portions of an image-capturing region of said single solid-state image-sensing device, each portion of the image-capturing region simultaneously captures a different image on the single solid-state image-sensing device;

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a plurality of subject-side reflection means having reflectors provided outer from the imaging side reflection means so as to be oblique with respect to a subject, each one of the subject-side reflection means corresponding to a different one of the imaging-side reflection means, the subject-side reflection means reflecting rays from said subject to the corresponding imaging-side reflection means;

a plurality of lenses or lens units provided to be closer to said single solid-state image-sensing device than the subject-side reflection means in optical paths formed from said subject to the different portions of the image-capturing region so that rays from said subject to the different portions of the image-capturing region are reflected by the imaging-side reflection means through the lenses or lens units, each one of the lenses or lens units corresponding to a different one of the different portions of the image-capturing region, the lenses or lens units forming a plurality of different images of said subject which have parallax; and

a plurality of diaphragms, each one of the diaphragms corresponding to a different one of the lenses or lens units, in which when each optical path has a lens, the diaphragms are provided to be closer to said subject than the corresponding lens and in which when each optical path has a lens unit, the diaphragms are provided to be closer to said subject than a lens of the corresponding lens unit;

a light-shielding means provided at least between the single solid-state image-sensing device and the plurality of imaging-side reflection means so as to separate the optical paths for forming the different images of said object in the respective image-capturing regions; and

light-limiting means provided to be closer to said subject than the subject-side reflection means for the $(2n-1)$ -th reflection (where n represents a positive integer) from said single solid-state image-sensing device along the optical paths, wherein the light-limiting means prevent incidence of flux of ambient light outer from rays forming each image of said subject.

3-4. (canceled).

5. (currently amended) A three-dimensional image-capturing apparatus according to Claim 1, further comprising a signal processing means for dividing a video signal from said single solid-state image-sensing device into video signals representing the different images of said subject captured in the image-capturing regions for capturing images of said subject from the different viewpoints.

6. (original) A three-dimensional image-capturing apparatus according to Claim 1, wherein parallax which is the distance between the viewpoints is one centimeter or greater.

7. (canceled).
